

## ABSTRACT

The multi-layer transformer 10 of the present invention comprises a composite sheet 14a comprising a center magnetic pattern 11a and peripheral magnetic pattern 12a that are formed  
5 at the center and periphery respectively, and a dielectric pattern 13a of a nonmagnetic body that is formed in a part except the center and periphery; a composite sheet 14b similarly comprising a center magnetic pattern 11b, peripheral magnetic  
10 pattern 12b and a dielectric pattern 13b; a primary winding 15a that is located on one face of the dielectric pattern 13a; a secondary winding 15b that is located on one face of the dielectric pattern 13b; and magnetic sheets 16a and 16b that hold the composite sheets 14a and 14b, primary winding 15a and secondary  
15 winding 15b from both sides and contact one another via the center magnetic patterns 11a and 11b and peripheral magnetic patterns 12a and 12b.